

ESL program initiated at Lago

Most Lago employees are specialists in one or another technical or professional field.

That is not all that is needed, however, to be effective in a large complex organization.

An organization, such as Lago, cannot operate smoothly without adequate communications. So employees communicate, often in written reports, notes and memos. And no matter what language is spoken at home, English is used to communicate at work.

To help improve the clarity and quality of work-related communication at Lago, an ESL (English as a Second Language) program is being conducted by the Training Section of the Employee Relations Department.

"We may all have some knowledge of written English, but a language is a skill you constantly have to work at, including those people whose first language is English," said Mary Jean Mehoves, an ESL teacher in California who is here on a three week visit to help plan and test the program. Jean has degrees in Linguistics and Anthropology.

The ESL program was initiated at the end of October with two courses, each dealing with a different level of English usage and grammar points which are essential in the writing of reports, presentations and formal memos. The courses are being held at the Training

(cont. on page 3)

ARUBA



Lago Oil & Transport Co., Ltd.

Aruba, Netherlands Antilles

VOL. 42 - NO. 9

NOVEMBER 1982

Programa ESL inicia na Lago

Mayoria di empleado di Lago ta especialista riba un of otro tereno tecnico of profesional. Sinembargo, esey no ta tur locual ta necesario pa ta efectivo den un organizacion grandi y complica. Un organizacion, manera Lago, no por opera suavemente sin comunicacion adecuado. Pesey empleado ta comunica, hopi biaha door di scirbi reportahe, nota y memorandum. Y aunque otro idioma ta wordo papia na cas, Ingles ta wordo uza pa comunica na trabow.

Pa yuda mehora e claridad y qualidad di comunicacion relaciona cu trabow na Lago, e programa ESL (Ingles como segundo idioma) ta wordo conduci pa e Training Section di Employee Relations Department. "Tur hende por tin algun conocimiento di scirbi Ingles, pero un idioma ta un habilidad cu bo mester traha riba dje constantemente, incluyendo esnan cu tin Ingles como nan idioma natal," Mary Jean Mehoves a bisa. Jean ta un instructor di ESL na California kende ta akinan pa tres siman pa yuda planea y test e programa. Jean tin grado den Linguistica y Antropologia.

ESL a wordo inicia na fin di October cu dos curso. Cada curso ta trata cu un nivel diferente di uzo di Ingles y informacion di gramatica cu ta esencial den scirbimento di reportahe, presentacion y memorandum formal. E cursonan ta wordo teni na Training Center cu 12 pa 14 empleado participando den kada un.

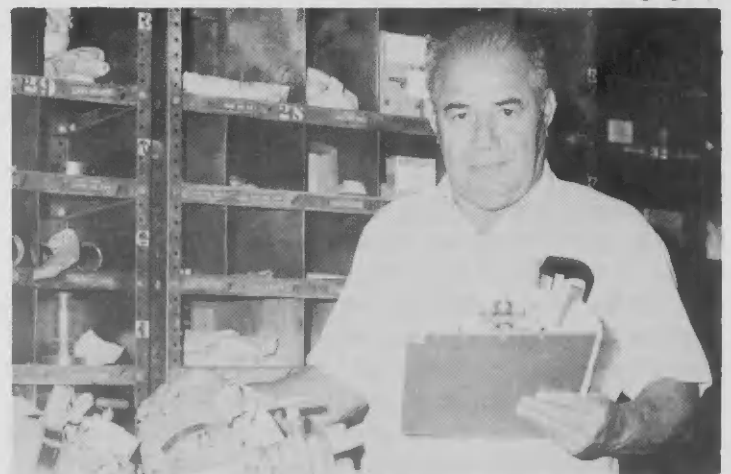
Un tercer curso lo cuminsa otro anja, enfocando riba pronunciacion y estructura gramatical.

Tin plan pa eventualmente organiza e cursonan di tal manera cu un hende por completa esun di promer y continua cu e dos otronan si ta necesario. Kada curso lo dura seis siman, cu tres ora di instruccion semanal.

Mita ora of un ora extra lo wordo pasa den Laboratorio pa traha riba problemanan especifico di proyectonan relaciona cu trabow.

Sarah Mills, un graduado den Comunicacion for di Polytechnic na Central London kende antes a duna les di ESL na London y Portugal, lo ta e instructor di e

(cont. riba pag. 8)



He sure does not look like he will complete 46 years of service next March, but he will! Juancho de Cuba was employed at Lago as an apprentice when he was only 13 years old. Today, he is an Acting Supervisor in the Materials Division of the Mechanical Department. Juancho will not be seen at Lago for long, as his accumulated vacation starts this month and runs into his pension next year in May. Among his colleagues, Juancho is called 'the Computer'. "Juancho has a photographic memory," explained Jerry Francis. "If you need a phone number, symbol number, payroll number or procedure, the answer is always: 'Call the Computer'." Happy Retirement to Juancho de Cuba, the retiring employee with the most service years at Lago!

Oil and gas: how much, where?

The first oil well was drilled by E. L. Drake in 1859 in Pennsylvania. In 120 years oil and gas turned into the world's main source of energy, and it is widely assumed that oil and gas will have to continue supplying the world with half the amount of energy needed until the year 2000.

As the oil business seems to affect almost all aspects of life these days, it has become a recurrent topic of conversation.

How is oil formed? How do you find it? Although there has recently been a surplus of oil, how long will it last? Following is some information about these questions drawn from Exxon and other publications.

One of the first terms a student in petroleum geology may encounter is "sedimentary basin." That is a basin



Egidio Thiel di Oil Movements and Shipping Division di Process Department, a ricibi un reconocimiento pa su di 40 aniversario den servicio na Lago, for di Don Esch, OM&S Division Superintendent. Masha Pabien na Egidio!

Petroleo y gas: cuanto, na unda?

E promer poz di petroleo a wordo bora door di E. L. Drake na 1859 na Pennsylvania. Den 120 anja, petroleo y gas a bira e fuente principal di energia den e mundo aki, y ta wordo supone pa un gran cantidad di hende cu petroleo y gas lo mester sigi suministra mundo cu mas di mitar di e cantidad di energia necesario te cu anja 2000. Ya cu e industria petrolera ta parce di ta afecta casi tur aspecto di bida den e temponan aki, ela bira un topico comun di conversacion.

Con petroleo ta wordo forma? Na unda bo ta hayé?

Maske cu recientemente tabata tin sobrante di petroleo, con hopi mas tin?

Sigientemente tin algun informacion tocante e preguntanan aki, acumula for di publicacion di Exxon y otro nan.

Con Petroleo ta Forma y Wordo Descubri

Un di e promer palabranan cu un estudiante den geologia petrolera lo por encontra ta "base sedimentario." Esaki ta un area grandi bao tera na unda laag di piedra cu ta contene mineral, piedra di santo mezcla cu

ARUBA ESSO NEWS

Editor: Mrs. M. Jansen-Felliciano

Photographs by: Joe's Photography Service

Printer: Verenigde Antilliaanse Drukkerijen N.V.

where layers of shale, sandstone or limestone were deposited by water, wind or glaciers over a period of millions of years. After a natural geological process, petroleum and gas, which form from the residue of rotting organic matter, gradually accumulate in the basin and in the pores and cracks between the layers. To find these pools, these sedimentary basins have to be studied. Up to now, 600 sedimentary basins throughout the world have been discovered by geologists. Of these, 160 are known to be productive of oil.

How Much Oil is There?

The total of all the oil and gas believed to be eventually recoverable, either by known or expected technologies is called the "total resource base." Those already found are "discovered resources," and those expected to be found in the future are "undiscovered potential resources."

Estimates for reserves in already discovered resources are based on the field's past production, its geological and geophysical characteristics and comparisons with similar fields.

According to recent Exxon estimates, the world's total resource base is believed to be between 3000 and 5000 billion barrels oil equivalent. (Oil equivalent means crude oil, plus natural gas expressed as its energy equivalent in oil, plus liquids removed from the gas). The total of discovered resource to date are believed to be between 2000 and 2500 billion barrels, while the undiscovered potential estimation is between 1000 and 2500 billion barrels. For comparison, the total world production since Drake's well in 1859 has been 700 billion. On the surface it may seem then, that there is "no problem."

(cont. on page 8)

cement y piedra forma cu restonan organico, ta wordo deposita door di awa, biento y ijs den un periodo di mionones di anja. Despues di un proceso geologico natural, petroleo y gas, cual ta forma di e resto di materia organico putri, poco a poco ta acumula den e base y den e porio y scheur meimei di e laagnan. Pa descubri esakinan, e basenan sedimentario aki mester wordo studia. Te awor aki, 600 base sedimentario rond mundo a wordo descubri pa geologonan. Cien y sesenta di esakinan ta conoci di por contene petroleo.

Cuanto Petroleo Tin?

E total di gas y petroleo cu ta wordo spera di ser recobra, sea door di tecnologia conoci of spera den futuro, ta wordo yama e "base di recurso total." Esnan cu ya a wordo haya ta "recursonan descubri," y esnan cu ta wordo spera di ser haya den futuro ta "recurso di potencial no descubri."

Calculacion di reserva den e recursonan ya descubri ta basa riba e produccion di e area den pasado, su caracte-

(cont. riba pag. 7)



Mirna Loefstop
Technical



Oslin Boekhoudt
Technical



Ronny Mendeszoon
Technical



Mercedes Levenston
Mechanical



Miriam Oduber
Mechanical



Miles Mason
Seroe Colorado School



Larry Hoo
Mechanical



Cheryl Godet
Controller's



Eddy Banfield
Mechanical



Renato Emerencia
Mechanical



Carlos Rasmijn
Mechanical



Jaime Laclé
Mechanical



George Coats from ER&E
Technical



Austin van Heyningen
Mechanical



David Fleming from ER&E
Technical

*
n
e
w
f
a
c
e
s
*

welcome

ESL program . . .

(cont. from page 1)

Center with 12 to 14 employees participating in each. A third course, will start next year, focusing on pronunciation and English grammar structures. It is planned to eventually organize the courses so that one could complete the first one and continue with the other two if needed. The duration of the classes are six weeks with three hours of instruction weekly. An extra half hour or hour will be spent in a lab to work on specific problem areas in work-related projects. Sarah Mills, a graduate in Communications at the Polytechnic of Central London who formerly taught ESL in England and Portugal, will be the instructor for the

program. Sarah commented that employees are nominated by their departments to participate in ESL courses. "However, improving language skills takes considerable personal commitment and effort," Sarah stressed. "No one can be forced to learn. We hope to provide the opportunity for employees to develop their skills." That is one of the reasons why Mirna Loefstop, a recently employed female Aruban Engineer, would like to take advantage of that program. "I followed my course of study completely in Dutch, while the dominant language used at Lago is English," Mirna said. "Although my basic English is good, the ESL program should provide me with the opportunity to improve my skills in English and thus enable me to progress at a faster pace."



William Snow of the Technical Department bicycles to and from work every day. Besides for transportation purposes, Bill uses the ride as a form of exercise. Many benefits can indeed be derived from bicycling at a steady pace.

Sound mind and body with exercise

In the regular daily routine in this age of office jobs, motorized transportation, computers, video games, television and other sophisticated machinery, many do not get sufficient exercise.

In recent years however, people all over the world including Aruba, have grown more aware that physical fitness plays a role in improving their health, appearance and general condition of life.

What are some of the benefits?

BENEFITS OF REGULAR EXERCISE

There are many physical benefits to regular energetic exercising: the heart pumps more blood with each beat, the lungs take in more air, and the blood becomes better equipped to dissolve blood clots. Nerves more efficiently activate muscle fibers to increase endurance and ultimate strength, and muscles perform at their best.

Besides physical fitness, exercising also remedies mental fatigue. Studies have shown that energetic exercising relieves depression and reduces anxiety. Any physical fitness enthusiast would probably agree that they can accomplish more work without experiencing worry or fatigue, while also sleeping better at night. Test studies have also concluded that men and women who do not exercise regularly age faster than those who do.

TYPES OF EXERCISES

The two basic groups of exercises are aerobics and muscle toners. Muscle toners include calisthenics (systematic and rhythmic exercises), isometrics (exercises in which opposing muscles are contracted) and therapeutic exercises (those relating to the treatment of diseases).

Aerobic exercises are the type that require oxygen to be delivered throughout the body rapidly to produce energy and, as such, aerobic exercises may be most effective for physical fitness. Jogging, bicycling, walking, swimming and tennis are all forms of aerobic exercises. For an exercise to be aerobic, the heart and lungs should be active long enough to produce beneficial changes in the body. The following formula can be used in determining whether your exercise is aerobic or not: Subtract your age from 220. Multiply by 70%. The result is the optimum rate per minute your heart should beat for aerobic training.

AEROBIC EXERCISES

JOGGING is still one of the most popular forms of exercise in about every corner of the world. About one third of the people in the Soviet Union and almost 30 million Americans participate in jogging. In Aruba, dozens of people can be seen jogging on the road to Natural Bridge, at the strip by the Eagle Beach, in the Seroe Colorado area and in many other spots on the island.

Joggers should do stretching exercises before running to warm up and after running to cool down. Most joggers prefer to run three days a week for their regular training.



Carmen Bislip of the Employee Relations Department and Cynthia Sharpe of the Medical Center along with employees' wives and annuitants meet almost every day at the Centro di Bario Lago Heights for exercise.

An appropriate diet, balanced exercising and proper rest can produce beneficial changes in the body.

WALKING is said to be one of the safest and least straining exercises. Walking is effective when it is done energetically and for a longer period of time than jogging. A report states that 40 minutes of brisk walking four times a week, achieves the same results as jogging for 30 minutes three times a week.

One effective and the least time-consuming of aerobic exercises is **ROPE SKIPPING**. Test results showed that rope skipping 10 minutes a day achieved almost as much cardiovascular efficiency as jogging 30 minutes a day.

(cont. on page 6)

Mente y curpa sano cu ehercicio



*Corremento ta un di e mihor forman
di ehercicio y tambe esun di mas popular.
Ademas di hopi beneficianan fisico,
Chela Roga y Shirley Boezem
di Controller's Department ta sinti tambe
cu nan por trata mihor cu nan
trabowan diario.*

Den e rutina diario den e siglo aki di trabow di oficina, transportacion di motor, computer y weganan di video, television y otro maquinan sofisticada, hopi hende no ta haya suficiente ehercicio.

Sin embargo, den ultimo anjanan, hendenan den henter mundo, incluyendo Aruba, a bira mas consiente cu un bon condicion fisico ta hunga un papel importante den mehoracion di nan salud, apariencia y condicion general di bida.

Cual ta algun di e beneficianan?

BENEFICIO DI EHERCICIO REGULAR

Tin hopi beneficio fisico cu por wordo derivá di ehercicio vigoroso regular: curazon ta pomp mas sanger cu kada batí, pulmon ta tuma mas aire, y sanger ta bira mihor equipa pa disolvé coágulo di sanger. Nervionan ta activa e fibra di musculonan pa aumenta e resistencia y forza maximo, y musculonan ta traha de lo mihor.

Fuera di un bon condicion fisico, ehercicio ta remediá cansancio mental. Estudionan a mustra cu ehercicio vigoroso ta alivia depresion y ta reduci ansiedad.

Cualquier fanatico di ehercicio vigoroso probablemente lo ta di acuerdo cu nan por logra haci mas trabow sin experienciá preocupacion of cansancio, mientras cu tambe nan ta drumi mihor anochi.

Testnan a concluí cu hende muher y homber cu no ta haci ehercicio regularmente ta bira bieuw mas liher cu esnan cu si ta hacié.

TIPO DI EHERCICIO

E dos gruponan basico di ehercicio ta ehercicionan aeróbico y ehercicionan cu ta reforza musculo. E ehercicionan pa reforza musculo ta inclui calistenia (ehercicio ritmico sistematico), isometria (ehercicio den cual musculonan di posicion contrario ta sera hunto) y ehercicionan terapéutico (esnan relata na e tratamiento di malesa).

Ehercicionan aeróbico ta e clase cu ta requeri pa oxígeno wordo hiba na tur caminda den e curpa pa produci energia, y como tal, ehercicionan aeróbico por wel ta e tipo di ehercicio di mas efectivo den logra un bon condicion fisico. Corre, corre bicicleta, cana, landa y tennis, tur ta forma di ehercicio aeróbico.

Pa un ehercicio qualifica como aeróbico, curazon y pulmon mester ta activo pa un periodo suficientemente largo pa produci cambionan beneficoso den e curpa. E siguiente formula por wordo uza pa determina si un ehercicio ta aeróbico of no: Kita bo edad for di 220. Multiplica e resultado ey cu 70%. Locual resultá di esey ta e cantidad pa minuut mas favorabel cu e curazon mester bati pa un ehercicio aeróbico.

EHERCICIO AEROBICO

CORREMENTO te ainda ta un di e forman mas popular di ehercicio. Casi un tercera parti di hendenan di Rusia y casi 30 milyon Americano ta participa den corremento.

Na Aruba, docenas di hende por wordo mirá ta corre riba e caminda pa Natural Bridge, den e hanchi riba Eagle Beach, den Seroe Colorado y na hopi otro lugar riba e isla.



Accion constante den hungamento di tennis ta trece cune hopi beneficio fisico y mental. Ademas di tennis, Trevor Connor di Technical Department, ta corre regularmente pa mantene un bon condicion.

Corredónan mester haci ehercicio pa estirá promer cu corremento, pa keinta curpa, y despues di corre, pa refresca. Mayoria di corredó ta prefera di corre tres dia pa siman como parti di nan entrenamiento regular.

(cont. riba pag. 6)

PROMOTIONS



Juan Henriquez
Senior Systems Analyst
Controller's Department



Cheryl de Witt
Senior Systems Analyst
Controller's Department

Ehercicio . . .

(cont. di pag. 5)

Ta ser bisá cu **CANAMENTO** ta un di e ehercicionan menos peligroso y vigoroso cu tin. Canamento ta efectivo si e ta wordo haci energicamente y pa un periodo di tempo mas largo cu corremento. Un reportahe ta bisa cu 40 minuut di cana energicamente cuatro biaha pa siman, tin e mesun resultado cu corre pa 30 minuut tres biaha pa siman.

Un ehercicio aeróbico hopi efectivo y cu ta tuma menos tempo ta **BULA CABUYA**. Resultadonan di test ta muestra cu bulamento di cabuya pa 10 minuut pa dia ta duna casi e mesun resultado den eficiencia di curazon y venanan, cu corremento 30 minuut pa dia.

Un ritmo constante den **CORRE BICICLETA**, y **LANDAMENTO** constante y vigoroso tambe ta eficiente como ehercicio aeróbico. **TENNIS** y **BASKETBALL** por ta aeróbico si e hungadornan ta keda den accion continuo.

SEA CAUTELOSO

Aruba ta un lugar ideal pa haci ehercicio pafor. E brisa di laman so kaba por contribuí na pulmon mas saludable y esaki ta un contraste enorme cu mayoria di ciudadnan grandi afó na unda tur locual corredónan por respira ta gas di exhaust di auto.

Promer cu cuminsa riba un programa di ehercicio, y especialmente si un persona ta den duda di su condicion di salud, mester haci un check-up di salud pa determina e capacidad di nan curpa. Cautela y moderacion mester wordo practica na tur tempo durante e programa di ehercicio.

Sinjalnan di aviso cu un hende a haci ehercicio dimás ta: dolor den pecho, palpitacion di curazon na un ora cu e persona no ta haci nada, y mariamento sin ningun motibo. Si algo asina pasa, ehercicio mester wordo descontinúá, y mester bai bishita e dokter di famia.

Ora cu ehercicio ta balanzá cu descanso y dieta apropiada, e probhechonan lo ta hopi: un mihor forma, un condicion fisico mehorá, y un mente mas sano.

Exercise . . .

(cont. from page 4)

A steady pace in **BICYCLING**, and **SWIMMING** with constant and powerful strokes are also efficient aerobic exercises.

TENNIS and **BASKETBALL** can be aerobic if the players keep in constant action.

A WORD OF CAUTION

Aruba is an ideal place for out-of-doors exercises. The sea breeze alone can contribute to healthier lungs and this is quite a contrast with most big cities abroad where all joggers may inhale are exhaust gases from cars.

Before embarking on an exercise program, and especially when in doubt of one's health condition, individuals should undergo a health check-up to determine the body's capacities. Caution and moderation should be practiced at all times during the exercise program.

Warning signs of exercising beyond limits are: chest pains during exercise, heart palpitations when idle and unexplained dizziness. When such occur, exercising should be discontinued, and the family doctor should be seen.

When exercise is balanced with proper rest and an appropriate diet, the rewards will be many: a better shape, an improved physical condition and a healthier mind.



Petroleo . . .

(cont. di pag. 2)

teristicacion geologico y geofisico y comparacion cu areanan similar.

Segun calculacion reciente di Exxon, ta ser pensa cu e base di recurso total di henter mundo ta entre 3000 pa 5000 biyon baril petroleo equivalente. (Petroleo equivalente ta nifica, zeta crudo, mas gas natural expresa como equivalente di energia den petroleo, mas liquido nan sacá for di e gas). Ta ser pensa cu e total di recurso descubri te awor ta entre 2000 y 2500 biyon baril, mientras cu e potencial no descubri ta wordo calcula di ta entre 1000 y 2500 biyon baril. En comparacion, e produccion total di mundo desde e boramento di poz di Drake na 1959 ta 700 biyon.

Superficialmente anto ta parce cu no tin problema. Pero e dificultadnan no ta sinta den conta e cantidad di baril so, sino di hopi importancia ta e lugar na unda reservanan ta situa y e aumento den gastonan envolvi den descubri y produci futuro reserva.

Reserva Probá di Petroleo

Di hopi importancia a corto plazo ta e reservanan probá di petroleo. Tin hopi seguridad den e existencia di petroleo den e reservanan aki y ta ser kerí cu nan ta producibel comercialmente na prijsnan actual of pronostico.

Actualmente (e total por varia cu tempo) Saudi Arabia ta hiba delantera den reserva probá di petroleo cu un total di 167.9 biyon baril. Kuwait ta sigi cu 67.7. Estados Unidos ta number seis, despues di Iran, Iraq y Union Sovietica, cu 29.8 biyon baril di reserva probá di petroleo.

Ora pone e paisnan productor di petroleo hunto den grupo, ta resulta cu dos tercera parti di e reservanan probá di petroleo ta pertenece na paisnan miembro di OPEC. Mas o menos 13% ta di Economia Planeá Central (CPE), cual ta consisti di Union Sovietica, Republica Popular di China, y algun pais den Europa Oriental y Sur/Occidental di Asia.



To acquaint employees with the recently arrived Cavallaro family, from left to right, Marina, Marco (7th grade), Pietro (3rd), Lorenzo (5th), and Vice President Cavallaro (Tony).

Mr. and Mrs. Cavallaro have been very active since they arrived in Aruba. They already waterskied, played tennis, windsurfed, and went on an island tour with the kids. Besides participating in sports activities, the boys have been riding bicycles and making friends. Now they are studying hard to catch up with English at school. Mrs. Cavallaro is particularly fond of playing guitar and piano, and Mr. Cavallaro loves to cook (he already bought a pasta machine). He said he used to (snow-) ski in the Alps, but now enjoys (water-) skiing in the Caribbean Sea.



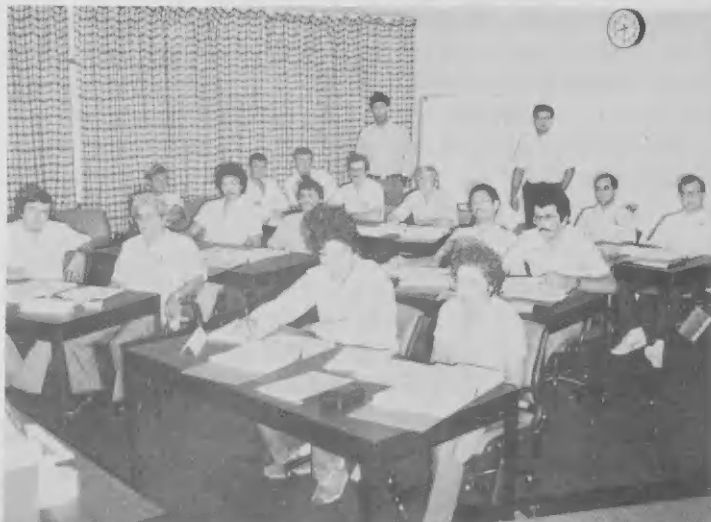
E Organizacion pa Desaroyo y Co-Operacion Economico (OECD) cual ta consisti di 24 nacion industrial, incluyendo E.U., ta posee solamente 10% di e total di reserva probá di petroleo. Sinembargo, nan ta e consumidornan principal di energia. E 12% sobrante ta ser haya den e resto di mundo.

Calculacion di reserva probá di gas natural tambe ta muestra cu paisnan miembro di OPEC ta hiba delantera cu 35% di e reserva total di henter mundo. E diferencia entre e lugar na unda e reservanan ta situa y e lugarnan principal di uzo di energia, a crea locual awor ta ser yama e "Politica di Petroleo."

Futuro di Petroleo y Gas como Fuente di Energia

Ya cu ta ser spera cu mundo lo uza entre 30 pa 40 biyon baril petroleo equivalente pa anja pa e sigiente 20 añanan, e 1000 pa 1200 biyon baril di reserva probá di petroleo por ta suficiente actualmente. Sinembargo, pa fin di e siglo aki, e recursonan descubri lo bira menos y e recursonan no descubri lo bira mas dificil y caro pa hayá y produci. Cu otro palabra, si cantidadnan importante di petroleo y gas no wordo encontra pa e tempo ey, mundo lo mester depende mas hopi riba otro fuentenan di energia.

Algun dia, e "Politica di Petroleo" lo por wordo substitui pa e politica di otro fuentenan di energia.



15 empleado di Lago a participa den un "Refinery Economics Course" instrui pa Ernard De L'Isle y Glenn Geerman di e Departamento di Lago Planning e Supply na Coral Gables.



Sukhdev Amarnani and Bill Smith from Exxon's Medical Department, Douglas Nieto of Esso San Salvador and Simon Geerman of Lago's Industrial Hygiene Section, conducted a Company-wide industrial hygiene survey last month.

Oil and gas . . .

(cont. from page 2)

But there are difficulties beyond just counting barrels, the most significant of which are location of reserves and increasing costs of finding and producing future reserves.

Proved Oil Reserves

Of short term importance are the proved oil reserves. The existence of oil in these reserves is known with a high degree of confidence and they are believed to be commercially producible at current or forecast prices.

At present (the total can vary over the years) Saudi Arabia is the leader in proved oil reserves with a total of 167.9 billion barrels. Kuwait follows with 67.7. The United States is number six, after Iran, Iraq, and U.S.S.R., with 29.8 billion barrels of proven oil reserves.

When gathered by groups of oil producing countries, it shows that almost two thirds of the proved oil reserves belong to OPEC members. About 13% belong to the Centrally Planned Economies (CPE), which consists of USSR, People's Republic of China, Eastern European and some Southeast Asian countries. The Organization for Economic Co-Operation and Development (OECD) which consists of 24 industrial nations, including the U.S.A., are only in possession of 10% of the total proved oil reserves. They are however, the principal consumers of energy. The remaining 12% is found in the rest of the world.

Estimates of proven natural gas reserves also show OPEC countries leading with 85% of the world's total reserves. This difference between the location of reserves and the location of consumption has created what is now called the "Politics of Oil."

Future of Oil and Gas as Energy Sources

As the world is expected to consume between 30 to 40 billion barrels oil equivalent yearly for the next 20 years, the 1000 to 1200 billion barrels of proved oil reserves may be sufficient at present. By the end of this century however, the discovered resources will become less and the undiscovered resources will be more difficult and expensive to find and produce.

In other words, unless significant amounts of oil and gas are found between now and then, the world will have to depend heavily on other sources of energy.

Someday, the "Politics of Oil" may be replaced by the politics of other sources of energy.

Teagle Scholarship revisions

As was announced in a previous Esso News, The Teagle Foundation Scholarship Program had to be revised to conform to IRS rules. Under the new program, those who can qualify for a Teagle Scholarship are children of Exxon employees with more than three years of service, and children of annuitants and deceased employees. Exxon employees can no longer receive a scholarship for themselves.

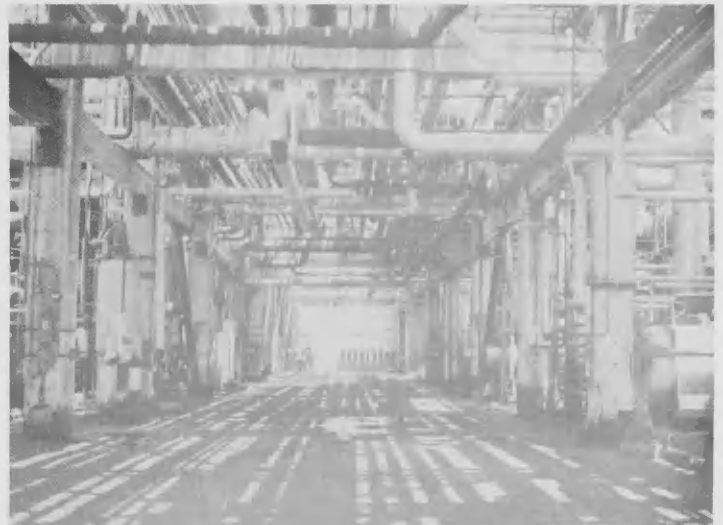
Deadline to turn in applications for a 1983-'84 scholarship is December 1, 1982. Application forms are available in G.O.B. Room 175-D. For more information call Mr. George Nicholson at 92134.

Revision di beca Teagle

Manera a wordo anuncia den un Esso News anterior, Teagle Foundation Scholarship Program mester a wordo revisa pa conforma na reglanan di IRS. Bao di e programa nobo, esnan cu ta qualifica pa un beca Teagle ta junan di empleado di Exxon cu tin mas di tres anja di servicio, junan di empleado cu a fayece y junan di pensionista. Empleadonan di Exxon no por haya un beca Teagle pa nan mes.

E ultimo dia pa entrega formulario di aplicacion pa un beca pa anja 1983-'84 ta dia 1 di December, 1982.

Formulario di aplicacion ta disponibel den oficina 175-D di G.O.B. Pa mas informacion, yama Sr. George Nicholson na telefon 92134.



Good Housekeeping has developed into an important item on the agenda during unit turnarounds: Turnarounds are not considered finished until the units meet all good housekeeping standards, as can be admired from above picture.

Programa ESL . . .

(cont. di pag. 1)

programa. Sarah a comenta cu empleadonan ta wordo nomina door di nan departamento pa participa den ESL. "Sin embargo, hopi esfuerso y dedicacion personal ta involvi den mehora abilidadnan di idioma," Sarah a enfatisa. "Ningun hende por wordo forza pa sinja. Nos ta spera di duna empleadonan e oportunidad pa desarroya nan abilidadnan."

Esey ta un di e motibonan pakiko Mirna Loeffstop, un Ingeniero Arubiano femenino cu a wordo emplea recientemente, lo kier probecha di e programa ey. "Mi a sigi mi estudio completamente na Hulandes, mientras cu e idioma principal cu ta wordo uza na Lago ta Ingles," Mirna a bisa. "Maske cu mi Ingles basico ta bon, ESL lo por dunami e oportunidad pa mehora mi abilidadnan den Ingles y asina facilita mi progreso na un paso mas rapido."